

WE CLAIM:

1. A carrier-positioning device for a vertical blind, the vertical blind including a headrail, a rotating shaft journalled within the headrail, a carrier sleeved movably around the rotating shaft and movable within the headrail along a longitudinal direction of the headrail, and a vertical slat suspended from the carrier, the headrail including a top wall, two sidewalls extending respectively and downwardly from two opposite sides of the top wall, and two supporting walls extending respectively from lower ends of the sidewalls toward each other, the carrier being formed with two fixed horizontal wheel pins that extend respectively and outwardly from two opposite sides thereof, and two wheels sleeved respectively and rotatably around the wheel pins and movable respectively on the supporting walls so as to facilitate movement of the carrier within the headrail, said carrier-positioning device comprising:

20 an end cover adapted to be attached fixedly to an end of the headrail and including a vertical end wall that has an inner side surface proximate to the headrail; and

25 a flexible positioning member having a fixed end connected fixedly to said end cover, a hook end opposite to said fixed end, and an operable portion disposed between and connected fixedly to said fixed end and said

- hook end, said hook end including two hooks, each of which is formed with a vertical retaining slot that has a closed upper end and an open lower end and that engages a respective one of said wheel pins so as to prevent movement of the carrier within the headrail, said operable portion of said positioning member having an exposed section that is adapted to be exposed within a space between the supporting walls of the headrail and that is adapted to be disposed below the rotating shaft so that said operable portion of said positioning member can be pushed upwardly to remove said hooks of said positioning member from the wheel pins, thereby permitting separation of the carrier from said end cover.
2. The carrier-positioning device as claimed in Claim 1, wherein each of said hooks of said hook end of said positioning member is formed with an end surface that has an inclined lower end which is adjacent to said lower end of said vertical retaining slot in a corresponding one of said hooks so that a corresponding one of the wheel pins can be guided by said inclined lower end of said end surface to move into said vertical retaining slot in the corresponding one of said hooks during assembly, whereby, when it is desired to engage the wheel pins of the carrier with said vertical retaining slots in said hooks of said hook end of said positioning member, it is only necessary to push the carrier to move

within the headrail in a direction toward said positioning member.

3. The carrier-positioning device as claimed in Claim 2, wherein said operable portion of said positioning member is I-shaped, and includes two longitudinal rods disposed between and connected fixedly to said fixed end and said hook end of said positioning member, and a transverse rod constituting said exposed section and having two ends that are connected respectively and fixedly to middle portions of said longitudinal rods.
- 10 4. The carrier-positioning device as claimed in Claim 1, wherein

15 said inner side surface of said end wall of said end cover is formed with an engagement portion that includes a top plate, a bottom plate, and two connecting plates having upper ends that are connected respectively and fixedly to two opposite sides of said top plate, and lower ends that are connected respectively and fixedly to two opposite sides of said bottom plate, said bottom plate having a transverse retaining slot that is formed through an intermediate portion thereof, that extends in a transverse direction of the headrail, and that has two closed ends; and

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25 said fixed end of said positioning member includes a base wall abutting against a bottom surface of said bottom plate of said engagement portion of said end cover,

two vertical outer walls extending integrally,
respectively, and upwardly two opposite sides of said
base wall and flanking said engagement portion of said
end cover, said outer walls having inner side surfaces
5 that face each other and that abut respectively against
said connecting plates of said engagement portion of
said end cover so as to prevent movement of said
positioning member relative to said end cover in the
transverse direction of the headrail.,,

10 two retaining walls extending respectively from
upper ends of said outer walls toward each other and
abutting against said top plate of said engagement
portion of said end cover so as to prevent vertical
movement of said positioning member relative to said
15 end cover, and

20 two ribs projecting integrally and upwardly from
said base wall and through said transverse retaining
slot in said bottom plate of said engagement portion
of said end cover and disposed between said outer walls,
said ribs extending in the longitudinal direction of
the headrail and having a length proximate to width of
said transverse retaining slot in said bottom plate of
said engagement portion of said end cover so as to
prevent movement of said positioning member relative
25 to said end cover in the longitudinal direction of the
headrail.

5. The carrier-positioning device as claimed in Claim 1,

wherein said positioning member is made of plastic material.